## WHAT IS CLAIMED IS:

1	1. A computer implemented method for establishing a Virtual Private
2	Network (VPN) communication tunnel between a client computer and a
3	server-side system, comprising:
4	receiving a request to establish a VPN session with a server-
5	side system from at least one client computer out of a plurality of client
6	computers coupled to a modem within a client-side system, where said
7	request contains login details for a user of said at least one client
8	computer;
9	determining a network address of said at least one client
10	computer;
11	authenticating said user based on said user login details; and
12	establishing a VPN tunnel between said at least one client
13	computer having said network address and said server-side system,
14	where said VPN tunnel is established over said modem.
1	2. The computer implemented method of claim 1, wherein said receiving
2	further comprises obtaining security details from said client.
1	3. The computer implemented method of claim 1, wherein said
2	determining further comprises reading a connection log to extract the network
3	address of said at least one client computer.

- 1 4. The computer implemented method of claim 1, further comprising the
- 2 step, after said determining step, of storing said network address.
- 5. The computer implemented method of claim 1, wherein said
  authenticating further comprises the steps of:
- 3 transmitting said login details to an authentication server for
- 4 authentication; and
- 5 accepting an authentication response from said server.

1	6.	The computer implemented method of claim 5, wherein said			
2	trans	smitting further comprises sending said login details to a Radius server.			
1	7.	The computer implemented method of claim 1, wherein said			
2	authenticating step further comprises the steps of:				
3		transmitting said login details to an authentication server for			
4		authentication;			
5		accepting a challenge from said server; and			
6		re-transmitting said login details to said authentication server for			
7		authentication.			
1	8.	The computer implemented method of claim 1, wherein said			
2	determining further comprises ascertaining an Internet Protocol (IP) address				
3	of sa	aid client.			
1	9.	The computer implemented method of claim 1, wherein said			
2	dete	rmining further comprises ascertaining a Media Access Control (MAC)			
3	address of said client.				
1	10.	The computer implemented method of claim 1, further comprising:			
2		receiving a new request to establish a new VPN session with a			
3		different server-side system from a different client computer out of said			
4		plurality of client computers coupled to said modem within said client-			
5		side system, where said request contains new login details for a new			
6		user of said different client computer;			
7		determining a new network address of said different client			
8		computer;			
9		authenticating said new user based on said new user login			

details; and

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11	establishing a new VPN tunnel between said different client	
12	computer having said new network address and said new server-side	
13	system, where said VPN tunnel is established over said modem.	
10	System, where said VI IV turner is established ever said modern.	
1	11. The computer implemented method of claim 1, further comprising:	
2	receiving a new request to establish a new VPN session with	
3	said server-side system from a different client computer out of said	
4	plurality of client computers coupled to said modem within said client-	
5	side system, where said request contains new login details for a new	
6	user of said different client computer;	
7	determining a new network address of said different client	
8	computer;	
9	authenticating said new user based on said new user login	
10	details; and	
11	establishing a new VPN tunnel between said different client	
12	computer having said new network address and said new server-side	
13	system, where said VPN tunnel is established over said modem.	
1	12. The computer implemented method of claim 1, further comprising	
2	severing the VPN tunnel after a predetermined time of inactivity.	
1	13. A computer program product for use in conjunction with a computer	
2	system for establishing a Virtual Private Network (VPN) communication tunnel	
3	between a client computer and a server-side system, the computer program	
4	product comprising a computer readable storage and a computer program	
5	embedded therein, the computer program comprising:	
6	instructions for receiving a request to establish a VPN session	
7	with a server-side system from at least one client computer out of a	
8	plurality of client computers coupled to a modem within a client-side	
9	system, where said request contains login details for a user of said at	

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least one client computer;

11	instructions for determining a network address of said at least
12	one client computer;
13	instructions for authenticating said user based on said user logir
14	details; and
15	instructions for establishing a VPN tunnel between said at least
16	one client computer having said network address and said server-side
17	system, where said VPN tunnel is established over said modem.
1	14. The computer program product of claim 13, wherein said instructions
2	for determining further comprise instructions for reading a connection log to
3	extract the network address of said at least one client computer.
1	15. The computer program product of claim 13, wherein said computer
2	program further comprises instructions for storing said network address.
1	16. The computer program product of claim 13, wherein said instructions
2	16. The computer program product of claim 13, wherein said instructions for authenticating further comprise:
3	instructions for transmitting said login details to an
4	authentication server for authentication; and
5	
6	instructions for accepting an authentication response from said
U	server.
1	17. The computer program product of claim 13, wherein said instructions
2	for transmitting further comprise instructions for sending said login details to a
3	Radius server.
1	18. The computer program product of claim 13, wherein said instructions
2	for authenticating further comprise:
3	instructions for transmitting said login details to an
4	authentication server for authentication;
5	instructions for accepting a challenge from said server; and

6		instructions for re-transmitting said login details to said
7		authentication server for authentication.
1	19.	The computer program product of claim 13, wherein said instructions
2	for de	etermining further comprise instructions for ascertaining an Internet
3	Proto	ocol (IP) address of said client.
1	20.	The computer program product of claim 13, wherein said instructions
2	for de	etermining further comprise instructions for ascertaining a Media Access
3		rol (MAC) address of said client.
1	21.	The computer program product of claim 13, wherein said computer
2	progr	ram further comprises:
3		instructions for receiving a new request to establish a new VPN
4		session with a different server-side system from a different client
5		computer out of said plurality of client computers coupled to said
6		modem within said client-side system, where said request contains
7		new login details for a new user of said different client computer;
8		instructions for determining a new network address of said
9		different client computer;
10		instructions for authenticating said new user based on said new
11		user login details; and
12		instructions for establishing a new VPN tunnel between said
13		different client computer having said new network address and said
14		new server-side system, where said VPN tunnel is established over
15		said modem.
1	22.	The computer program product of claim 13, wherein said computer
2	progra	am further comprises:
3		instructions for receiving a new request to establish a new VPN
4		session with said server-side system from a different client computer
5		out of said plurality of client computers coupled to said modem within

О	said client-side system, where said request contains new login details
7	for a new user of said different client computer;
8	instructions for determining a new network address of said
9	different client computer;
10	instructions for authenticating said new user based on said new
11	user login details; and
12	instructions for establishing a new VPN tunnel between said
13	different client computer having said new network address and said
14	new server-side system, where said VPN tunnel is established over
15	said modem.

- 1 23. The computer program product of claim 13, wherein said computer
- 2 program further comprises instructions for severing the VPN tunnel after a
- 3 predetermined time of inactivity.